

ORDER

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL AVIATION ADMINISTRATION

3900.43

SUBJ: SAFETY ALERT - SHOCK HAZARD FROM MULTIMETER TEST LEADS

1. PURPOSE. To identify and remove potentially hazardous multimeter test leads made by Triplett Corporation (multimeter manufacturer part number 79-374; National Stock Number 6625-01-089-0747).
2. DISTRIBUTION. This order is distributed to the branch level in Washington Headquarters and Regions/Centers, except Air Traffic and Civil Aviation Security, and to all field offices and facilities except Air Traffic and Civil Aviation Security.
3. ACTION. Each activity using the Triplett Corporation multimeter is to discard the hazardous type of test leads and use only the more durable and safely designed test lead to be procured locally. The diagram in Appendix 1, Safe vs. Unsafe Test Leads, can be used to differentiate between the two types of test leads. This will eliminate a proven hazard to employees and reduce test lead replacement costs.
4. BACKGROUND. The subject test leads have been responsible for several accidents. The insulation on the test lead wire where it goes into the multimeter plug has a tendency to open up, exposing the user to a shock hazard. The most recent accident resulted after only 30 days of use. These test leads are for use on the Triplett Corporation multimeter model 60 series, 630 Type 4 and 630-A Type 4. There are two different designs of test leads, of which only one presents the potential hazard. However, both designs are listed with the same part and stock numbers listed in paragraph 1 above. Appendix 1 shows the design features that can be used to differentiate between the safe and the hazardous test leads.

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